

Converting Colors

CIELCh(77, 47.254, 145.269)

Have a look what the booklet for
CIELCh(77, 47.254, 145.269)
contains.

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Color

CIELCh(77, 47.120, 145.407)

Conversions

Conversions Part 1

Format	Color
Hex	80D08B
RGB	128, 208, 139
RGB Percent	50%, 82%, 55%
CMY	0.4982, 0.1845, 0.4551
CMYK	0.38, 0.00, 0.33, 0.18
HSL	128°, 46%, 66%
HSV	128°, 38%, 82%
XYZ	36.0924, 51.5317, 32.4503
YIQ	176.2140, -25.5310, -38.4190

Conversions

Conversions Part 2

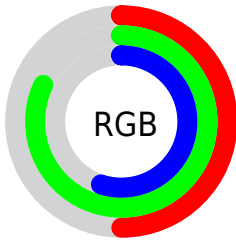
Format	Color
RYB	128, 198, 208
Decimal	8441995
CIELab	77.00, -38.79, 26.75
CIElCh	77, 47.120, 145.407
Yxy	51.5317, 0.3006, 0.4292
Android (android.graphics.Color)	4286632075 (0xFF80D08B)
YUV	176.2140, -18.3465, -42.2837
Hunter-Lab	71.7856, -35.8786, 23.4482

Details

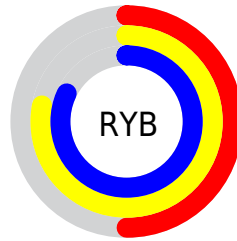
The CIELCh color $77, 47.120, 145.407$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $64, 47.135, 330.770$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 40.750, 146.073$, and $57, 47.210, 145.265$ is the 20% darker color. If you saturate the color by 10%, you get $76, 58.722, 144.291$, and if you desaturate by 10%, it is $78, 35.040, 146.378$.

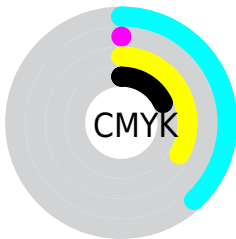
Distribution



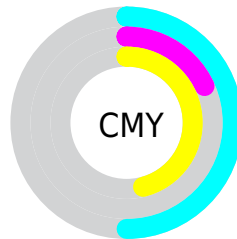
- Red (50%)
- Green (82%)
- Blue (55%)



- Red (50%)
- Yellow (78%)
- Blue (82%)



- Cyan (38%)
- Magenta (0%)
- Yellow (33%)
- Black (18%)



- Cyan (50%)
- Magenta (18%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 47.120, 145.407 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 77, 47.120, 145.407 by changing the saturation by 10% instead.

■ 77, 47.120,
145.407

■ 77, 47.120,
145.407

■ 100, 47.120,
145.407

■ 67, 47.120,
145.407

■ 97, 47.120,
145.407

■ 57, 47.120,
145.407

■ 47, 47.120,
145.407

■ 37, 47.120,
145.407

■ 27, 47.120,
145.407

■ 17, 47.120,
145.407

■ 7, 47.120, 145.407

■ 0, 47.120, 145.407

■ 77, 47.120,
145.407

■ 77, 47.120,
145.407

■ 76, 58.722,
144.291

■ 78, 35.040,
146.378

■ 75, 69.554,
143.028

■ 80, 22.723,
147.215

■ 74, 79.303,
141.639

■ 82, 10.370,
147.945

■ 74, 87.643,
140.177

■ 84, 1.866, 328.367

■ 73, 94.261,
138.735

■ 86, 13.875,
329.032

■ 73, 98.946,
137.468

■ 88, 25.583,
329.495

■ 73, 99.511,
137.319

■ 89, 29.500,
325.452

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77, 47.120, 145.407



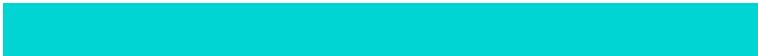
64, 47.135, 330.770

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 47.120, 145.407



77, 47.120, 195.407



77, 47.120, 325.407



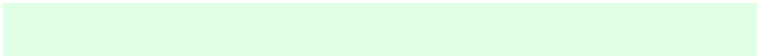
77, 47.120, 15.407

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77, 47.121, 145.407



97, 17.374, 147.687



81, 41.662, 112.468



52, 11.532, 147.592



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 47.121, 145.407



91, 65.934, 144.518



78, 31.918, 167.561



43, 6.981, 147.880



60, 84.619, 137.515



13, 28.482, 144.393

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64, 47.135, 330.770



73, 65.730, 331.271



63, 34.843, 355.893



41, 6.998, 328.970



39, 76.074, 334.538



5, 27.988, 332.858

Previews

White Background



This preview shows how the CIELCh color 77, 47.120, 145.407 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 77, 47.120, 145.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 47.120, 145.407

Background



This preview shows how black text looks on a background with the CIELCh color 77, 47.120, 145.407.



This preview shows how white text looks on a background with the CIELCh color 77, 47.120, 145.407.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

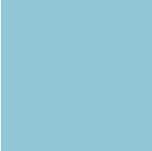
Dichromacy



Original Color
77, 47.120, 145.407

Protanopia
77, 31.431, 95.853

Deuteranopia
76, 25.869, 67.697



Tritanopia
77, 19.609, 222.642

Trichromacy



Original Color
77, 47.120, 145.407



Protanomaly
76, 33.722, 120.882



Deuteranomaly
76, 25.551, 110.465



Tritanomaly
77, 23.634, 177.622

Monochromacy



Original Color
77, 47.120, 145.407



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 17.458, 147.467

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 47.120, 145.407 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(128, 208, 139)` looks like.

```
.text, #text, p{  
    color:rgb(128, 208, 139)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(128, 208, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 208, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 47.120, 145.407 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 208, 139) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(128, 208, 139) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(128, 208, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 208, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 208, 139);  
box-shadow:4px 4px 4px 4px rgb(128, 208,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 47.120, 145.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 208, 139) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(128,  
208, 139) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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